

ENERGY CONTROL SYSTEM OPERATOR

PURPOSE AND NATURE OF WORK

Positions in this class require working shifts and are primarily responsible for twenty-four-hour-per-day monitoring and recording of the condition of the electric power generation, transmission and distribution, water distribution and wastewater collection installations. Operators detect alarms, faults and emergencies, and may make short-term interchange agreements, within specified guidelines, with other utility systems to control generation. Positions report to the Energy Control System Supervisor, and have no supervisory responsibility.

ILLUSTRATIVE EXAMPLES OF WORK (Note: These examples are intended only to illustrate the various types of work performed by incumbents in this class. All of the duties performed by any one incumbent may not be listed, nor does any incumbent necessarily perform all of these duties.)

Monitors electronic map board and chart recorders indicating condition and activity of remote switches, meters, protective apparatus and valves. Executes orders to change the conditions of these, affecting changes in the flow of electric current in response to differing loads and prices. Detects faults, emergencies or alarms, and initiates responses.

Maintains records and logs for energy accounting, regulatory compliance and related utility needs. May control use of generation and make short-term power interchange transactions with other utility systems. Monitors Utility Field Operations building security.

Performs related work as required.

NECESSARY KNOWLEDGE, ABILITIES, AND SKILLS

Knowledge of Lafayette Utilities System's participation in electric power transmission, sales and purchase agreements, the economics of these, and options available.

Knowledge of electric distribution and transmission facilities and characteristics.

Knowledge of the water distribution system characteristics.

Knowledge of the wastewater collection system characteristics.

Ability to understand and operate the computer terminal and mass storage device.

Ability to understand and operate the electronic map board and chart recorders.

Ability to communicate and work effectively with the public, and employees of Consolidated Government and of other utilities.

DESIRABLE TRAINING AND EXPERIENCE

Graduation from high school supplemented by training in industrial electricity and experience in electric generation, transmission and distribution, switching and power dispatching; or any equivalent combination of training and experience.